

Title (en)

SUBSTRATE PROCESSING SYSTEM HAVING FUNCTION FOR PREVENTING DAMAGE

Title (de)

SUBSTRATVERARBEITUNGSSYSTEM MIT SCHADENSVERHINDERUNGSFUNKTION

Title (fr)

SYSTÈME DE TRAITEMENT DE SUBSTRAT QUI COMPORTE UNE FONCTION PERMETTANT D'EMPÊCHER DES DÉGÂTS

Publication

**EP 2696374 A4 20160120 (EN)**

Application

**EP 12753371 A 20120622**

Priority

- KR 20120063954 A 20120614
- KR 2012004933 W 20120622

Abstract (en)

[origin: EP2696374A1] Disclosed is a substrate processing system with a damage preventing function, comprising: a fluid tank which stores fluid; a chamber which receives the fluid from the fluid tank and provides a space where a substrate is processed; a pipe which connects the fluid tank and the chamber and through which the fluid flows; and a damage preventing unit which allows the fluid tank to be changed in position corresponding to thermal expansion caused in the pipe by receiving heat as the fluid flows in the pipe. With this, the substrate processing system with the damage preventing function for allowing the fluid tank to correspond to change in volume due to the thermal expansion of the pipe and preventing the fluid tank from damage is provided.

IPC 8 full level

**H01L 31/18** (2006.01); **B01J 3/00** (2006.01); **C23C 14/06** (2006.01); **C23C 14/24** (2006.01); **H01J 37/32** (2006.01); **H01L 31/042** (2006.01)

CPC (source: CN EP KR US)

**B01J 3/002** (2013.01 - EP US); **C23C 14/06** (2013.01 - CN EP US); **C23C 14/243** (2013.01 - CN EP US); **H01J 37/32807** (2013.01 - US); **H01L 21/02** (2013.01 - KR); **H01L 21/203** (2024.05 - KR)

Citation (search report)

- [X] US 2012024232 A1 20120202 - LEE CHOONG-HO [KR], et al
- [XA] US 2010248416 A1 20100930 - PRIDDY SCOTT WAYNE [US], et al
- See references of WO 2013187547A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2696374 A1 20140212**; **EP 2696374 A4 20160120**; CN 104380485 A 20150225; JP 2015523288 A 20150813; JP 5986682 B2 20160906; KR 101301001 B1 20130828; US 2015129420 A1 20150514; WO 2013187547 A1 20131219; WO 2013187624 A1 20131219

DOCDB simple family (application)

**EP 12753371 A 20120622**; CN 201280073999 A 20120622; JP 2015517158 A 20120622; KR 2012004933 W 20120622; KR 20120063954 A 20120614; KR 2013004877 W 20130603; US 201213582474 A 20120622